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Washington, D.C. 20231

December 4, 2001

Date of Deposit

John G. Rauch, Reg. No. 37,218

Name of applicant, assignee or  
Registered Representative

  
Signature

12/4/01  
Date of Signature

Our Case No. 10506/7

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Manouchehr S. Rafie et al.

Serial No. 09/964,200

Filing Date: September 25, 2001

For A COMBINED DIGITAL ADAPTIVE PRE-  
DISTORTER AND PRE-EQUALIZER SYSTEM  
FOR MODEMS IN LINK HOPPING RADIO  
NETWORKS

)  
)  
)  
) Examiner: To Be Assigned  
)  
) Group Art Unit: 2631  
)  
)  
)

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Technology Center 2600

## INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

Pursuant to the obligation under 37 C.F.R. § 1.56 and in conformance with 37 C.F.R. §§ 1.97-1.99, Applicants hereby submit the references listed below and on the attached form PTO-1449 for consideration by the Examiner. A copy of each of the references is enclosed herewith.

## US PATENT DOCUMENTS

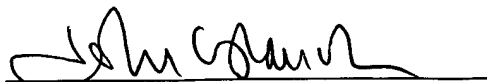
DOCUMENT NUMBER	DATE	NAME
4,462,001	7/24/1984	Girard
4,887,278	12/12/1989	Gupta
5,113,414	5/12/1992	Karam et al.
5,404,378	4/04/1995	Kimura
5,598,436	1/28/1997	Brajal et al.
5,699,383	12/16/1997	Ichiyoshi
5,768,317	6/16/1998	Fague et al.
5,778,029	7/07/1998	Kaufmann
5,870,431	2/09/1999	Easton et al.
5,903,611	5/11/1999	Schnabl et al.
5,937,011	8/10/1999	Carney et al.
6,072,364	6/06/2000	Jeckeln et al.
6,141,390	10/31/2000	Cova

The filing of this Information Disclosure Statement does not constitute an admission that the information cited herein is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b). Further, Applicants reserve the right to contest these references as prior art against the present application, and Applicants do not believe that the disclosure of this reference, even if finally determined to be prior art, anticipates Applicant's invention or that these references make Applicant's invention obvious.

This Information Disclosure Statement is being filed prior to the receipt of the first Official Action reflecting an examination on the merits and hence is believed to be timely filed in accordance with 37 C.F.R. § 1.97(b). No fees are believed to be due in connection with filing of this Information Disclosure Statement. However, should any fees under 37 C.F.R. §§ 1.16 to 1.21 be deemed necessary for any reason relating to these materials, the Commissioner is hereby authorized to deduct said fees from Brinks Hofer Gilson & Lione Deposit Account No. 23-1925.

Applicants respectfully request that the Examiner review the entire disclosure of these documents and make them of record.

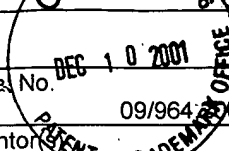
Respectfully submitted,

A handwritten signature in black ink, appearing to read "John G. Rauch", is written over a horizontal line.

John G. Rauch  
Registration No. 37,218  
Attorney for Applicants

Dated: December 4, 2001  
BRINKS HOFER GILSON & LIONE  
P.O. BOX 10395  
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2631  
#2  
BT  
12-27-01

		TRANSMITTAL LETTER		Case No: 10506-7
Serial No. 09/964,200	Filing Date September 25, 2001	Examiner To Be Assigned	Group Art Unit 2631	
Inventor: Manoucheny, Ralf et al.				
Title of Invention: COMBINED DIGITAL ADAPTIVE PRE-DISTORTER AND PRE-EQUALIZER SYSTEM FOR MODEMS IN LINK HOPPING RADIO NETWORKS				

09/964,200

TO THE COMMISSIONER FOR PATENTS

Transmitted herewith is: Transmittal Letter (in duplicate); Information Disclosure Statement; PTO Form 1449; copies of references A1-A13 and post card evidencing receipt.

- ☐ Small entity status of this application under 37 CFR § 1.27 has been established by verified statement previously submitted.
- ☐ A verified statement to establish small entity status under 37 CFR §§ 1.9 and 1.27 is enclosed.
- ☐ Petition for a \_\_\_\_\_ month extension of time.
- ☒ No additional fee is required.
- ☐ The fee has been calculated as shown below:

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					Small Entity		Other Than Small Entity	
	Claims Remaining After Amendment		Highest No. Previously Paid For	Present Extra	Rate	Add'l Fee	Rate	Add'l Fee
Total		Minus			x \$9=		x \$18=	
Indep.		Minus			x 39=		x \$78=	
First Presentation of Multiple Dep. Claim					+\$130 =		+\$260=	
					Total add'l fee	\$	total add'l fee	\$


- ☐ Please charge Deposit Account No. 23-1925 (BRINKS HOFER GILSON & LIONE) in the amount of \$\_\_\_\_\_. A duplicate copy of this sheet is enclosed.
- ☐ A check in the amount of \$\_\_\_\_\_ to cover the filing fee is enclosed.
- ☒ The Commissioner is hereby authorized to charge payment of any additional filing fees required under 37 CFR § 1.16 and any patent application processing fees under 37 CFR § 1.17 associated with this communication or credit any overpayment to Deposit Account No. 23-1925. A duplicate copy of this sheet is enclosed.
- ☒ I hereby petition under 37 CFR § 1.136(a) for any extension of time required to ensure that this paper is timely filed. Please charge any associated fees which have not otherwise been paid to Deposit Account No. 23-1925. A duplicate copy of this sheet is enclosed.

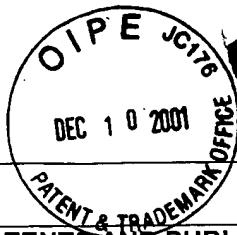
Respectfully submitted,

  
 John G. Rauch  
 Registration No. 37,218  
 Attorney for Applicants

BRINKS HOFER GILSON & LIONE  
 P.O. BOX 10395  
 CHICAGO, ILLINOIS 60610  
 (312) 321-4200

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, with sufficient postage, in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231, on December 4, 2001

Date: 12/4/01 Signature: 



FORM PTO-1449	SERIAL NO. 09/964,200	CASE NO. 10506/7
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	FILING DATE September 25, 2001	GROUP ART UNIT 2631
(use several sheets if necessary)		APPLICANT(S): Manouchehr S. Rafie et al.

## REFERENCE DESIGNATION

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS/ SUBCLASS	FILING DATE
	A1	4,462,001	7/24/1984	Girard		
	A2	4,887,278	12/12/1989	Gupta		
	A3	5,113,414	5/12/1992	Karam et al.		
	A4	5,404,378	4/04/1995	Kimura		
	A5	5,598,436	1/28/1997	Brajat et al.		
	A6	5,699,383	12/16/1997	Ichiyoshi		
	A7	5,768,317	6/16/1998	Fague et al.		
	A8	5,778,029	7/07/1998	Kaufmann		
	A9	5,870,431	2/09/1999	Easton et al.		
	A10	5,903,611	5/11/1999	Schnabl et al.		
	A11	5,937,011	8/10/1999	Carney et al.		
	A12	6,072,364	6/06/2000	Jeckeln et al.		
	A13	6,141,390	10/31/2000	Cova		

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## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS/ SUBCLASS	TRANSLATION YES	NO
	A						
	A						
	A						
	A						
	A						

EXAMINER INITIAL	OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)
	A
	A
	A
	A
	A

EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.